

Town of Newport, NH Waste  
Table 5-4: Phosphorus Removal

	4-Nov-09		6-Nov-09		9-Nov-09		10-Nov-09		11-Nov-09	
	Influent	Kruger Effluent	Influent	Kruger Effluent	Influent	Kruger Effluent	Influent	Kruger Effluent	Influent	Kruger Effluent
Coagulant - Ferric (mg/L)		60		55		50		70		
Coagulant - Alum (mg/L)										
Polymer (mg/L)		1.2		1.05		0.95		1		
Air Temperature (Average) (°F)		41		36.2		47.7		54.5		44.4
Flow Temperature (°C) (Average)	10.6	10.7	9.2	9.2	10.0	10.2	9.6	9.4	9.1	
pH (Average)	7.13	6.70	7.13	6.78	7.33	7.02	7.12	6.52	7.22	
Turbidity (Average)		2.05		2.64		3.53		0.99		
Suspended Solids (mg/L)	6	5	< 5	< 5	6	< 5	7	< 5	5	
Alkalinity Total (CaCO <sub>3</sub> ) (mg/L)	130	88	130	92	130	95	130	75	130	
Total Phosphorus- P (mg/L)	3.6	0.3	3.5	0.45	3.4	0.68	3.3	0.1	3.2	
Dissolved Phosphorus- P (mg/L)	3.7	0.31	3.5	0.46	3.2	0.66	3.3	0.1	3.2	
Ortho Phosphate - P (mg/L)	2.7	< 0.05	2.7	0.06	2.5	0.1	2.4	< 0.05	2.3	< 0.05
BOD (mg/L)	8	< 6	< 60	< 6	< 6	< 6	< 12	< 6	< 12	
UV Absorption (%T/cm <sup>-1</sup> )	51	60	51	59	47	46	46	70	53	
UV Absorption Wavelength (nm)	254	254	254	254	254	254	254	254	254	
Aluminum (mg/L)		< 0.05		0.06		0.05		< 0.05		